

Appl. No. : 10/728,103  
Filed : December 4, 2003

### AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0008], which starts on page 2 of the specification, as indicated below.

[0008] Another preferred embodiment of the invention comprises a method of forming a multijunction solar cell comprising an upper subcell, a middle subcell, and at least one lower subcell ~~wherein the upper subcell and the lower subcell are substantially lattice-matched and the lower subcell is substantially lattice-mismatched.~~ In this method, a growth semiconductor substrate is provided for the epitaxial growth of semiconductor material. The upper subcell is formed over the growth semiconductor substrate such that the upper subcell has a first, upper band gap and is substantially lattice-matched to the growth substrate. The middle subcell is formed over the upper subcell such that the middle subcell is substantially lattice-matched to the growth substrate and the middle subcell has a second middle band gap. The first upper band gap is larger than the second middle band gap. The at least one lower subcell is formed over the middle subcell such that the at least one lower subcell is substantially lattice-mismatched with respect to the growth substrate and such that the at least one lower subcell has a third lower band gap. The third lower band gap is smaller than the second middle band gap. A support structure is provided over the substantially lattice-mismatched lower subcell and the growth semiconductor substrate is removed. Electrical contacts may be formed to the upper subcell and to the support structure and a coverglass may be placed in front of this upper subcell. Accordingly, light passing through the coverglass and incident on the upper subcell that pass through the subcells beneath generates electrical energy that is output by the solar cell.